

Table 1
Sampling Station Coordinates (Actuals)

Station ID	Latitude	Longitude
<i>Well Points</i>		
WP-1	48 44.7512	122 29.4727
WP-2	48 44.8108	120 29.4043
<i>Surface Sediments</i>		
SS-40	48 44.7918	122 29.5147
SS-75	48 44.8147	122 29.4588
SS-76	48 44.8677	122 29.3763
SS-301	48 44.7950	122 29.4492
WP-1 ^a	48 44.7333	122 29.4666
WP-2	48 44.8105	122 29.3957
<i>Crab Tissue</i>		
SS-74	48 44.7660	122 29.4750
SS-75	48 44.8160	122 29.4400
SS-76	48 44.8670	122 29.3810
Reference Stations ^b	48 43.5900	122 37.7034

Notes:

Station coordinates are reported in NAD 83 north zone.

a) Station coordinates for this station are estimated.

b) Crabs were collected from four traps deployed in the general location of the station coordinates provided.

Table 2
Well Point Water Quality Chemistry Data

Parameter	Chemical Criteria			WP-1		WP-2	
	Units	Chronic	Acute	Year 1 (2001)	Year 2 (2002)	Year 1 (2001)	Year 2 (2002)
Field Measurements							
Turbidity	NTU	na	na	5	3	2	4
Conductivity	uS/cm @ 25C	na	na	46,300	41,800	23,800	20,400
Temperature	Deg C	na	na	11.9	15.9	12.4	15.1
pH	pH units	na	na	7.1	7.1	7.6	7.5
Redox	mV	na	na	-146	-138	-151	-95.0
Dissolved oxygen	mg/L	na	na	0.2	0.4	0.4	3.3
Lab Measurements							
Total susp. solids	mg/L	na	na		14.5 J		18.2 J
Mercury - dissolved	ug/L	0.025	1.8	0.0059	0.0721	0.0074	0.0026 U
Mercury - total	ug/L	0.025	1.8	0.0579	0.1550	0.0304	0.0313

Notes:

na - not applicable.

J indicates an estimated concentration.

U indicates undetected at detection limit shown.

Table 3
Surface Sediment Chemistry Data

Parameter	SMS Criteria		SS-301		SS-40		SS-75		SS-76		WP-1		WP-2	
	SQS	CSL	Year 1 (2001)	Year 2 (2002)										
Conventionals (%)														
Total Organic Carbon	--	--	1.9	1.5	1.6	1.6	1	2.1	3.1	0.65	0.13	0.24	1.9	0.2
Total solids	--	--	53.6	55	68.4	69.6	72.4	63.5	56.6	75.3	83.6	77.3	66.1	84.7
Grain Size (%)														
Gravel	--	--	0	1.3	0.3	2.9	0.4	0.4	1.6	0.2	5.1	2.1	1.2	6.8
Sand	--	--	8.5	13.4	84.1	49.1	92.8	55.9	61.4	92.9	94.2	94.9	55.7	91.6
Silt	--	--	76	70.7	11.1	27.2	4.4	27	29.1	4.6	0.7	2	35.7	1.4
Clay	--	--	15.5	14.6	3.8	20.7	2.4	16.7	7.9	2.1	0.0	1	7.4	0.2
Fines	--	--	91.5	85.3	15.6	47.9	6.8	43.7	37	6.7	0.7	3	43.1	1.6
Metals (mg/kg dry wt)														
Mercury	0.41	<u>0.59</u>	0.11	0.25	0.12	0.26	0.07 U	0.15	0.13	0.05 U	0.05 U	0.08	0.07 U	0.15
SVOCs (ug/kg dry wt)														
2,4-Dimethylphenol	420	<u>1200</u>	19 U	20 U	19 U	19 U								
2-Methylphenol	63	<u>63</u>	19 U	20 U	19 U	19 U								
4-Methylphenol	670	<u>670</u>	19 U	20 U	19 U	19 U								
Benzoic acid	29	<u>29</u>	190 U	200 U	190 U	190 U								
Benzyl alcohol	360	<u>690</u>	19 U	20 U	19 U	19 U								
Pentachlorophenol	57	<u>73</u>	95 U	99 U	97 U	98 U	94 U	98 U	96 U	98 U	96 U	98 U	95 U	96 U
Phenol	650	<u>650</u>	19 U	20 U	19 U	19 U								

Notes:

U: Not detected

SQS: Exceedances are shaded

CSL: Exceedances are shaded and underlined

Table 4
Juvenile Dungeness Crab Tissue Bioaccumulation Data

Station	Sample Number	Year 1 (2001) Total Mercury (mg/kg; wet wt)	Year 2 (2002) Total Mercury (mg/kg; wet wt)	Year 1 (2001) Juvenile Crab Carapace Widths (mm)	Year 2 (2002) Juvenile Crab Carapace Widths (mm)
SS-74	SS-74A	0.0207	0.0289	59, 60, 63	57, 64, 68
	SS-74B	0.0487	0.0216	53, 58, 59	54, 60, 62
	SS-74C	0.0176	0.0187	55, 68	54, 58, 65
SS-75	SS-75A	0.0171	0.0234	56, 67	65, 78
	SS-75B	0.0237	0.0285	62, 73	54, 65
	SS-75C	0.0150	0.0215	58, 68	55, 57
SS-76	SS-76A	0.0258	0.0143	59, 68	53, 68
	SS-76B	0.0167	0.0152	56, 66	65, 71
	SS-76C	0.0237	0.00954	67, 68	52, 68
Reference ^a	Ref-1	---	0.0365	---	60, 71
	Ref-2	---	0.0199	---	83
	Ref-3	---	0.308	---	83, 83
Average Total Mercury Concentration in Log Pond Stations		0.0232	0.0202		

Notes:

Mercury concentrations have been blank corrected.

a) Attempts to collect juvenile Dungeness crab in the Chuckanut Bay reference stations were unsuccessful in Year 1 and Year 2. Based on input from Ecology and the Lummi Nation, a reference area near Portage Island in western Bellingham Bay was sampled in 2002 following attempts in Chuckanut Bay.

Table 5
Beach Seine Catches

Station		May 22, 2002					June 26, 2002					July 18, 2002					
		BS1	BS2	BS4	Ref 1	Ref 2	BS2	BS3	BS4	Ref 1	Ref 2	BS1	BS2	BS3	R1	R2	
Salmonids	Chinook salmon		6	10	7	2			5		1					1	
	Chum salmon	5	2		50	5											
	Coho salmon	32	26	13	4				3		2						
	Pink salmon	35	4	2	13												
	Steelhead		4	1													
	Unidentified Trout		1														
Other fish	Pacific herring	2															
	Surf smelt		4	10			1										
	Sand lance			1	1						2						
	Shiner perch	79	111	5	9	21	1	1	3	1	72	2		32	8	80	
	Perch (unid.)									1							
	Sculpin	21	1	3	5	15	39	2		1	3	12	5	1		54	
	Starry flounder	7		3			82	3	7			24	8	2			
	Threespine stickleback		1		2	1							8		9		
	Pipefish			1	5					4	1			1			
Total Salmonid Catch		72	42	26	74	7	0	0	8	0	3	0	0	0	1	0	
Total Catch		181	160	48	96	44	123	6	18	7	81	38	21	36	18	134	